

FIGURE 1

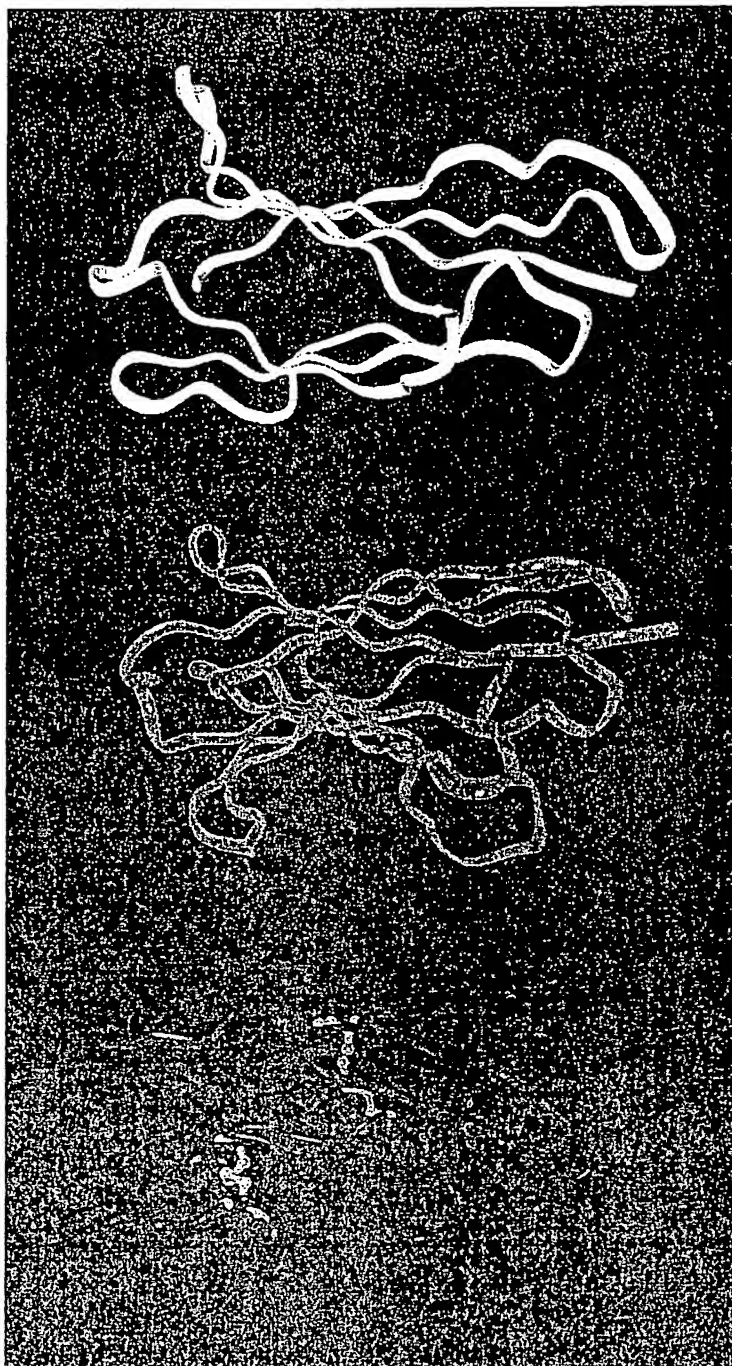


FIGURE 2

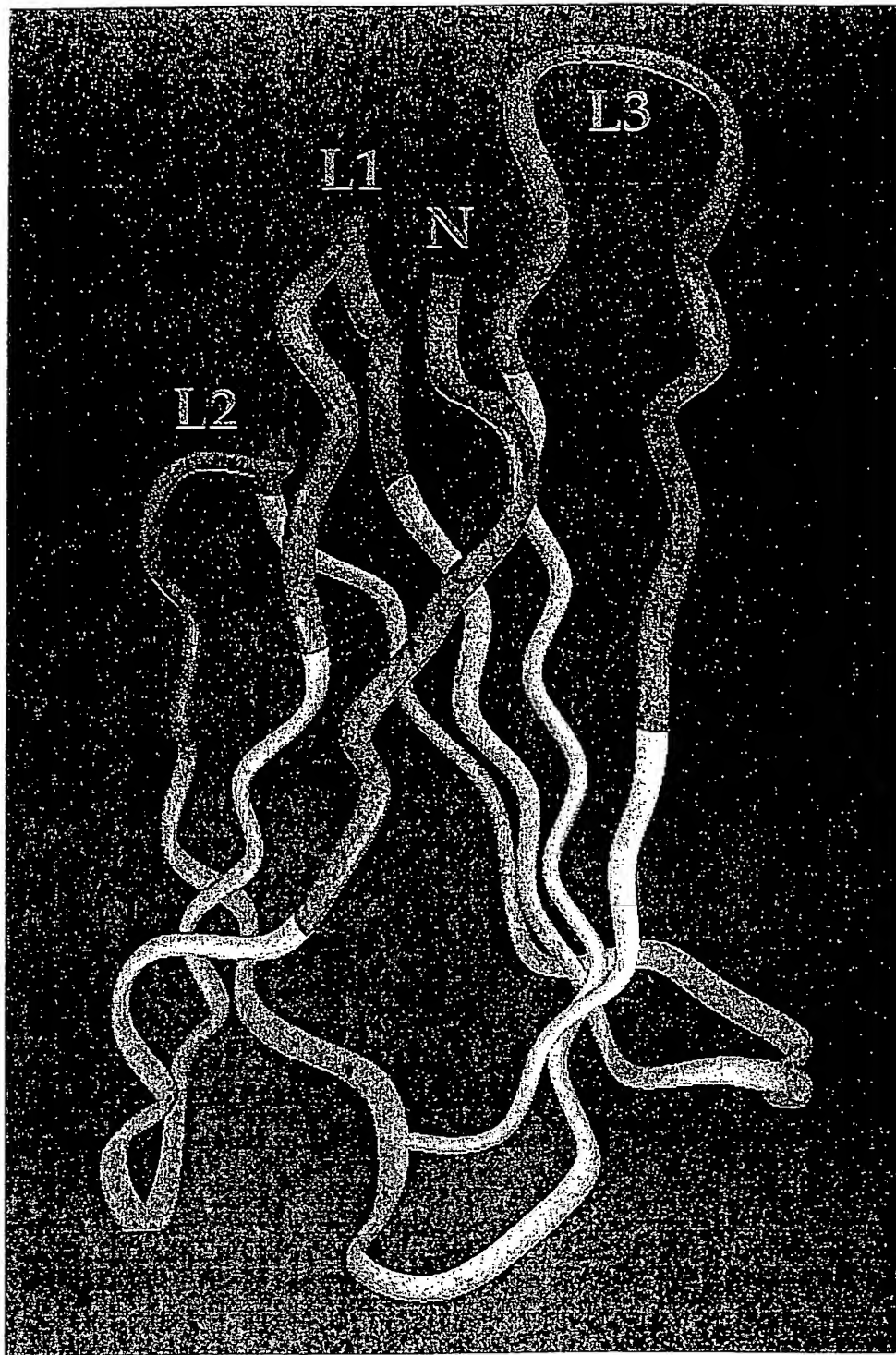


FIGURE 3

Title: PROTEIN SCAFFOLDS FOR ANTIBODY MIMICS AND OTHER BINDING PROTEINS

Applicant(s): Lipovsek et al.

Filing Date: December 3, 2003 Serial No.: Not yet assigned

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	1	9	10	19	20	29	30	37	38	47	48	57	58	67	68	77	78	87	88	94
Hs FND	VSDPRD-LE	VVAATPTSLL	ISWDAPAVTV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TISGLKPGVD	YTITVAVTG	RGDSPASSKP	ISINYRT	94									
Bt FN	VSDPRD-LE	VIAATPTSLL	ISWDAPAVTV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TISGLKPGVD	YTITVAVTG	RGDSPASSKP	VSINYRT	1510									
Rn FN	VSDPRD-LE	VIATPTSLL	ISWEPNAVSV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TINNIKPGAD	YTITLXAVTG	RGDSPASSKP	VSINYQT	1611									
Mm FN	VSDPRD-LE	VIATPTSLL	ISWEPNAVSV	RYRITYG--	ETGNSPVQE	FTVPGSKSTA	TINNIKPGAD	YTITLXAVTG	RGDSPASSKP	VSINYKT	712									
Oc FN	VSDPRD-LE	VIATPTSLL	ISWEXPAVTV	RYRITYG--	ETPN-----	-----	-----	-----	-----	-----	64									
Gg FN	VSDPRD-LE	VNPSTPSLE	ISWDAPAVTV	RYRITYG--	ETGNSPVQE	FTVPGTMSA	TITGLKPGVD	YTITVAVTG	RGDSPASSKP	VTITYKT	443									
X1 FN	VSDPTD-LE	VTSSPNTLT	ISWEAPAVSV	RYRITYG--	QTGGSPPEKE	FTVPGTSNTA	TIRGLNPGVS	YTITVAVTG	RGDSPASSKP	LTIIHKT	1611									
Cf FN	AIAPSN-Lr	FLATPNsLL	VSQWpPrArI	TCYIIKYE--	kpgSpprEV	prpPGVTeA	TITGLpGTE	YTIQVIAIkn	NKQSepLIgr	kktDEL-	197									
Ec FN	AIAPSN-Lh	FLATPNsLL	ISQWpPrArI	TCYIIKYE--	kpgSpprEV	prphPGVTeA	TITGLpGTE	YTIQVIAIkn	NKQSepLIgr	rktDEp-	197									
Hs TC	VS-PPKD-Lv	VTeVTeetVN	LAWDN-eMrV	TCYIIKYE--	THEGGIEMQ	FrVPGDQST	IIQeLePGVE	YFIRVFAILE	NKKSipVSAr	V-----	686									
Ss TP	VS-PPKD-Li	VTeVTeetVN	LAWDN-eMrV	TeYLIVVTP-	-----	-----	-----	-----	-----	-----	686									
Mm TX	MIDGPD-Lr	VWAVTPTTLD	LSWlRPQAEV	DrFVVSXV--	--SAGNqRvR	LeVPEADrT	QLTGLMPGVE	YVWTVTAERG	HAVSypASir	ANTG---	889									
Hs CAP	TlpPvrvSLN	IYdVGpTTMH	VQWQp-VGGA	TCYIISYkpV	kDTEpTrpKE	VlRGPTVNDM	QLTGLVPNTE	YAVTVQAVLh	dlTsepVTVr	e-----	1551									
Oc C12	TlpPvrvSLN	IYdVGpTTMH	VQWQp-VGGA	TCYIISYkpV	kDTEpTrpKp	QdVklRdVTH	-----	-----	-----	-----	322									
Gg C14	LalpmASDLK	LYdVShSSMR	AKWNg-VAGA	TGWMILYAPL	TEGLAADEKE	IKIGEAStel	ELDGLLPNTE	YTVTVYAMF-	-----	-----	508									
Hs U1	LalpmASDLl	LYdVTensMR	VKWDA-VpGA	SGYLILYAPL	TEGLAGDEKE	MKIGETHTDI	ELSGLLPNTE	YTVTVYAMFG	eeASDpVTGq	e-----	321									

var.

	P	L	V	SL	W	V	Y	I	Y	I	L	PGVD	Y	ITV	A	G	S	P
cons.	M	I	L	TV	M	A	F	V	L	L	I	NTE	VQL	N	R	E		
												AS	R					
CAP	Collagen alpha precursor																	
C12	Collagen type 12																	
FND	Fibronectin type III domain																	
FN	Fibronectin																	
TP	Tenascin precursor																	
TC	Tenascin-C																	
U1	Undulin 1																	
Bt	Bovis taurus																	
Cf	Canis familiaris																	
Ec	Equus caballus																	
Ss	Sus scrofa																	
Hs	Homo sapiens																	
Oc	Oryctolagus cuniculus																	
Xl	Xenopus laevis																	

identical to Hs FND

lower case non-conservative substitution

(charge reversal, change between hydrophobic and charged, addition or removal of P) position of non-conservative substitutions

FIGURE 4

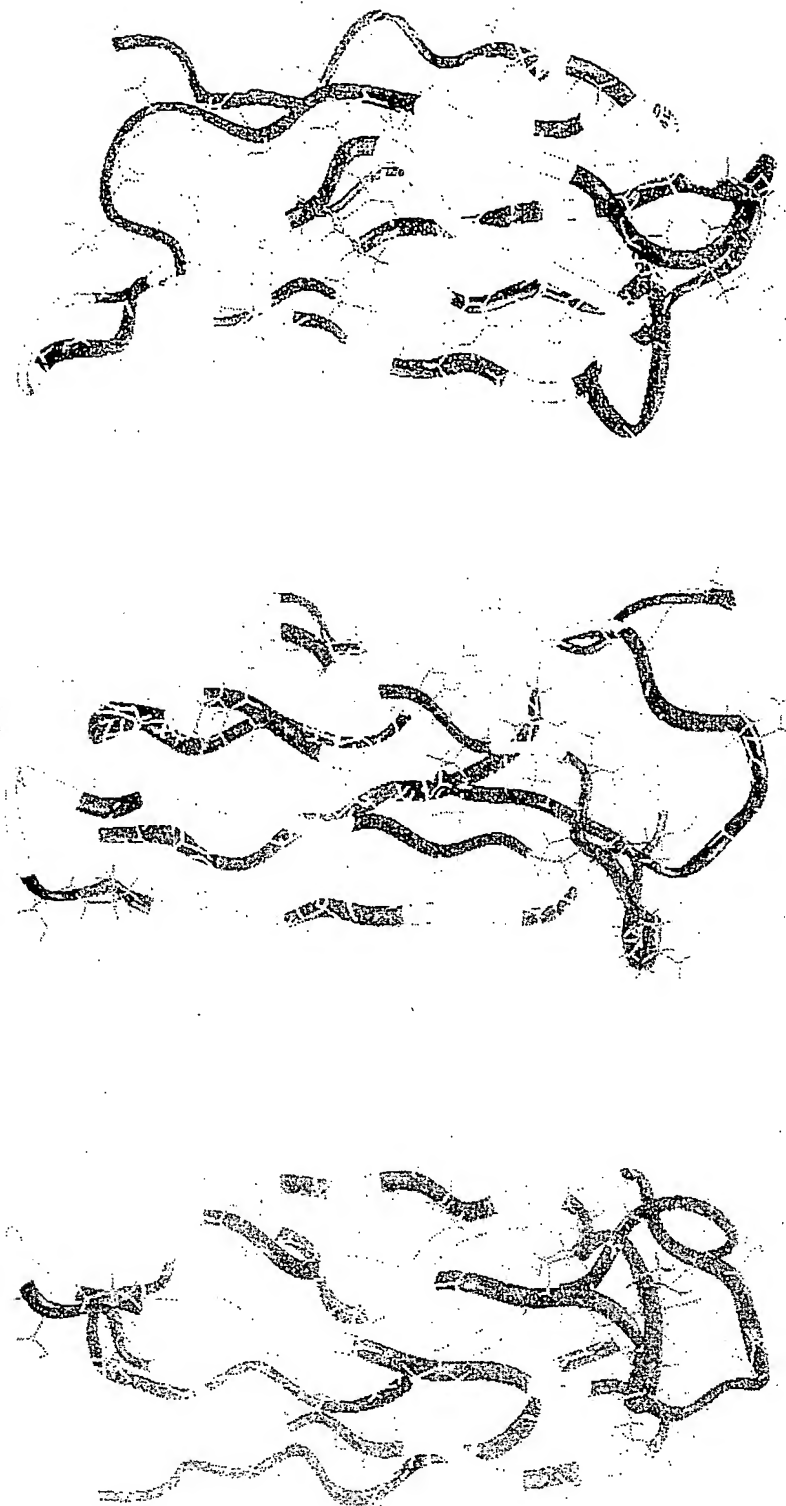


FIGURE 5

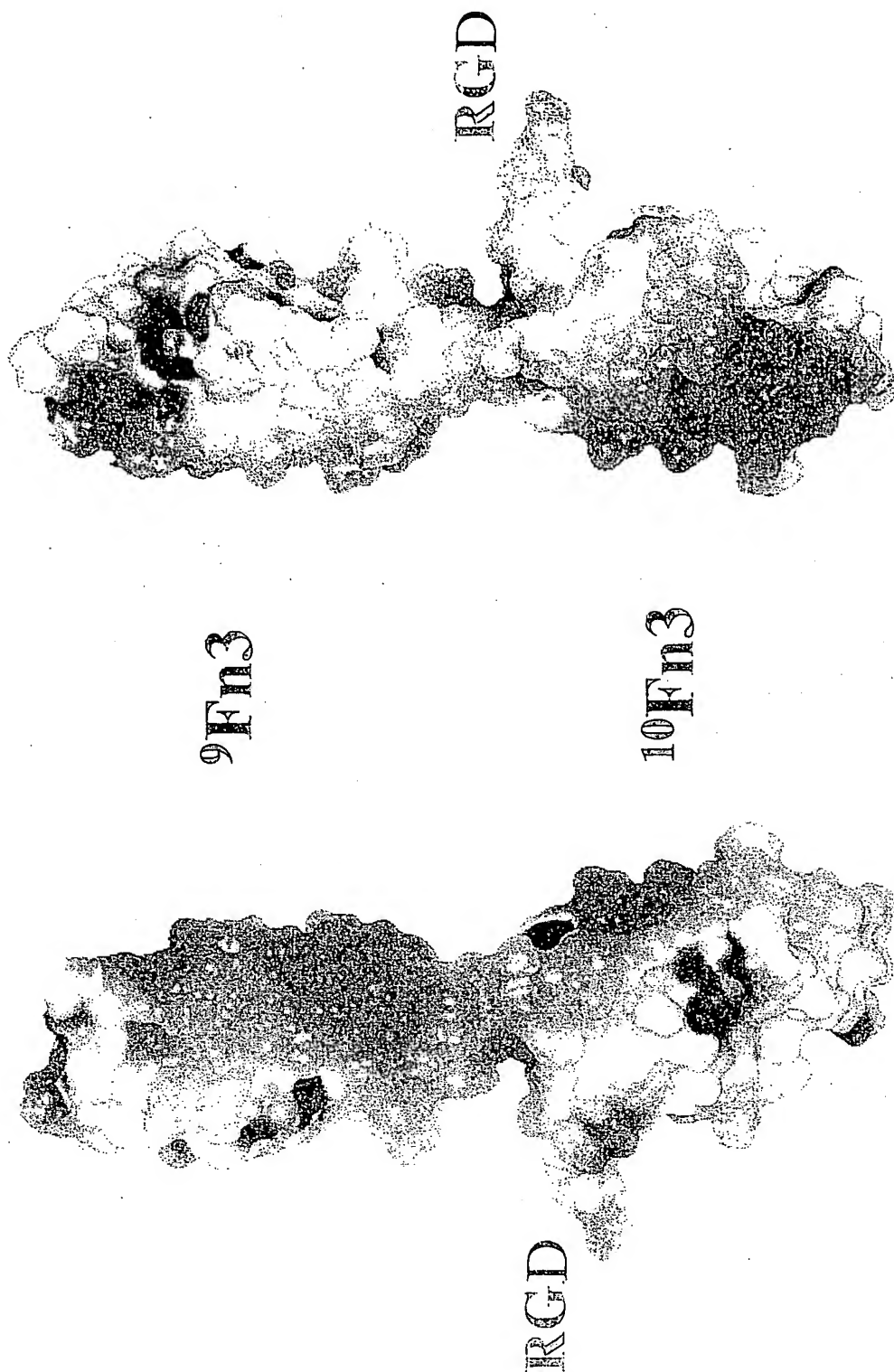
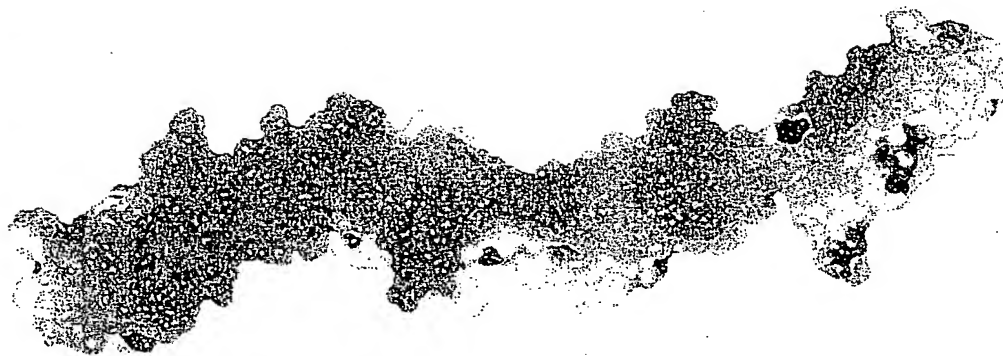


FIGURE 6



7Fn3

8Fn3

9Fn3

10Fn3

FIGURE 7

BEST AVAILABLE COPY

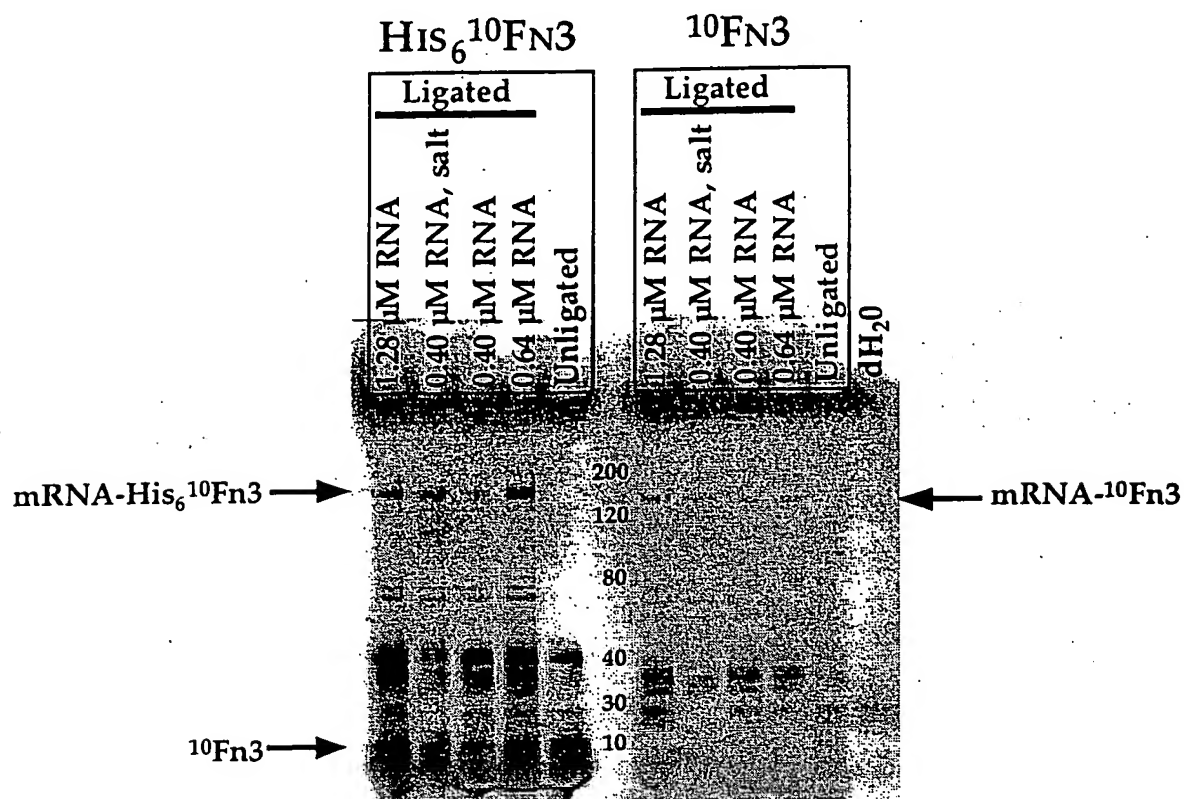


FIGURE 8

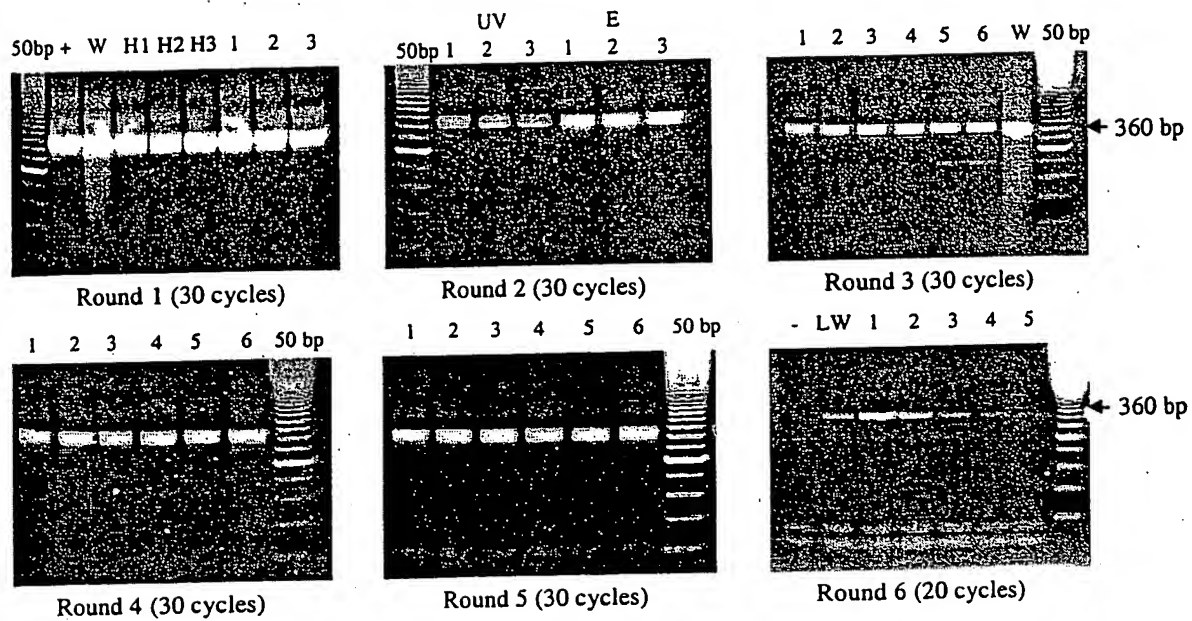


FIGURE 9

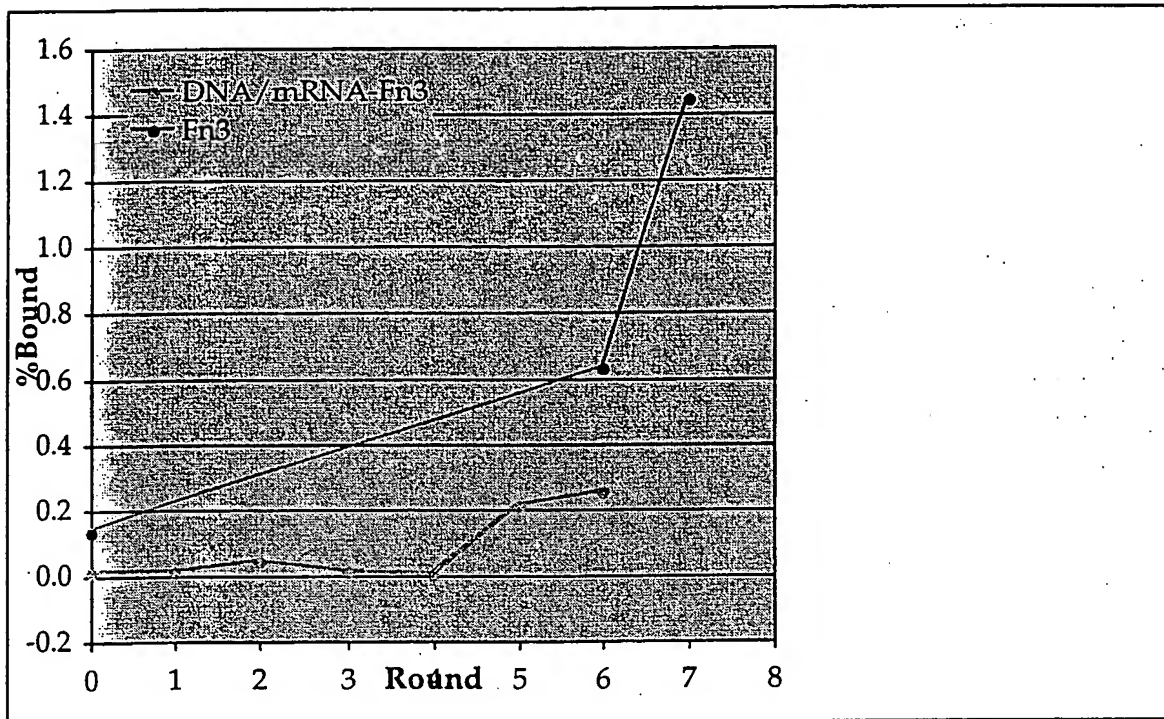


FIGURE 10

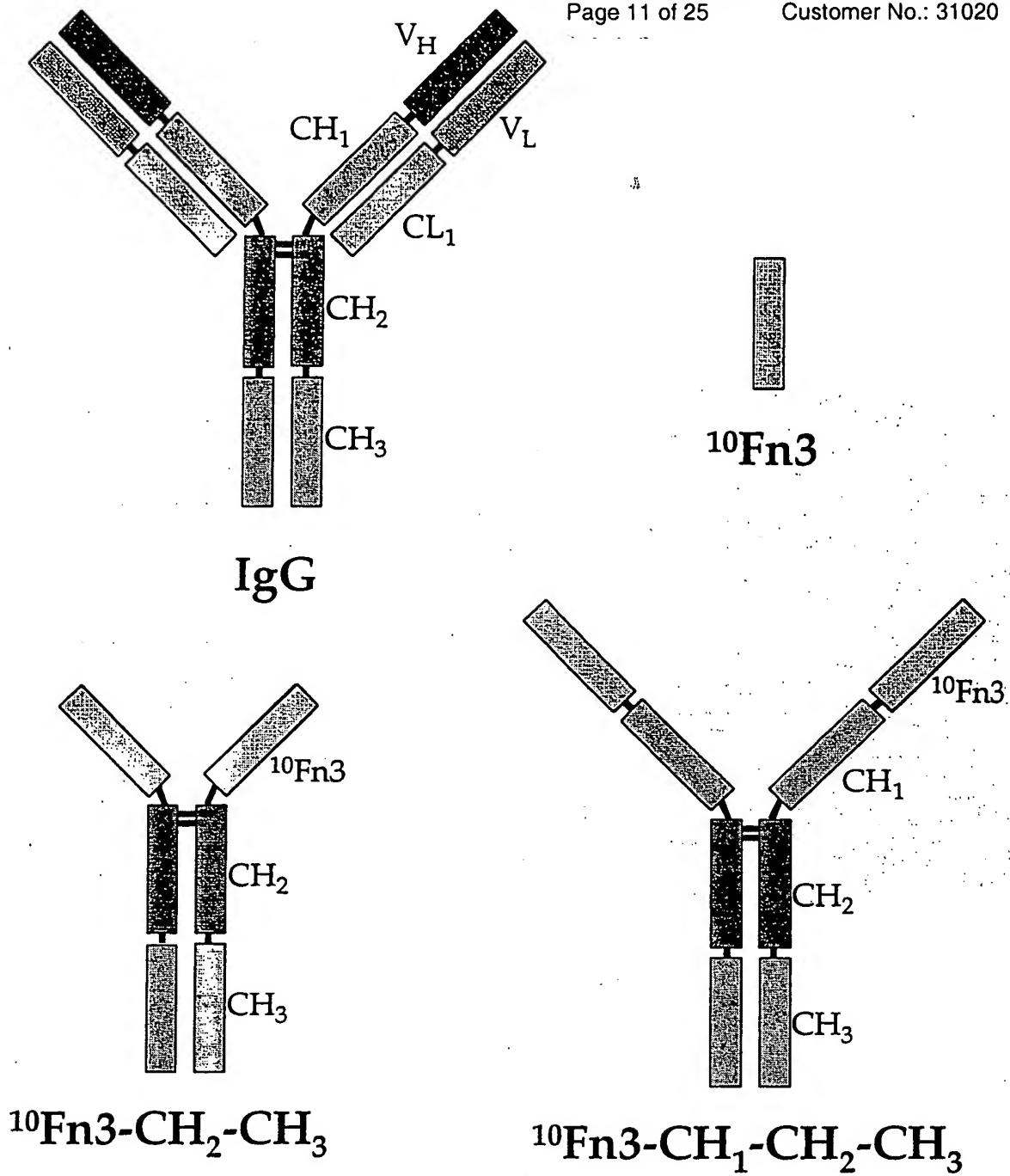


FIGURE 11

BEST AVAILABLE COPY

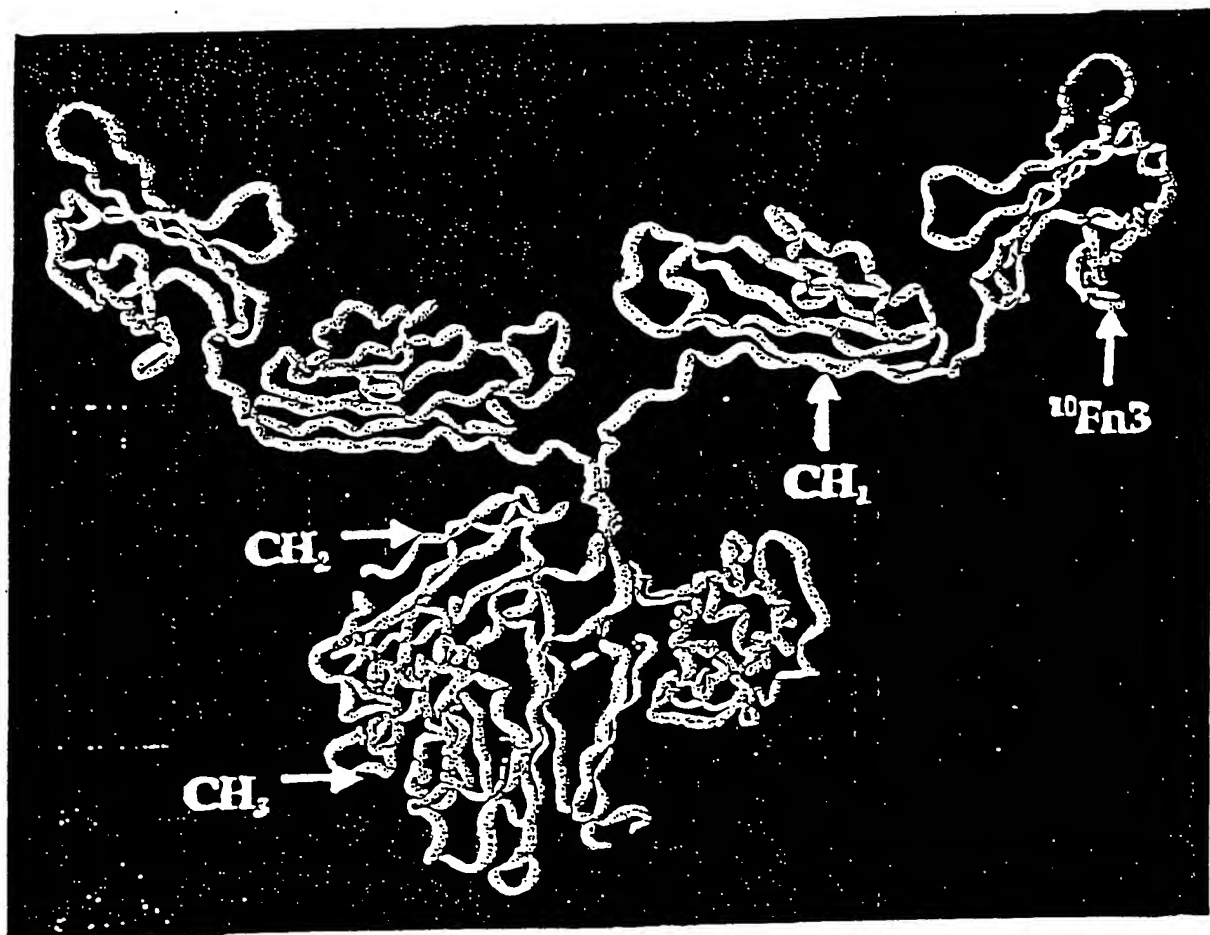


FIGURE 12

BEST AVAILABLE COPY

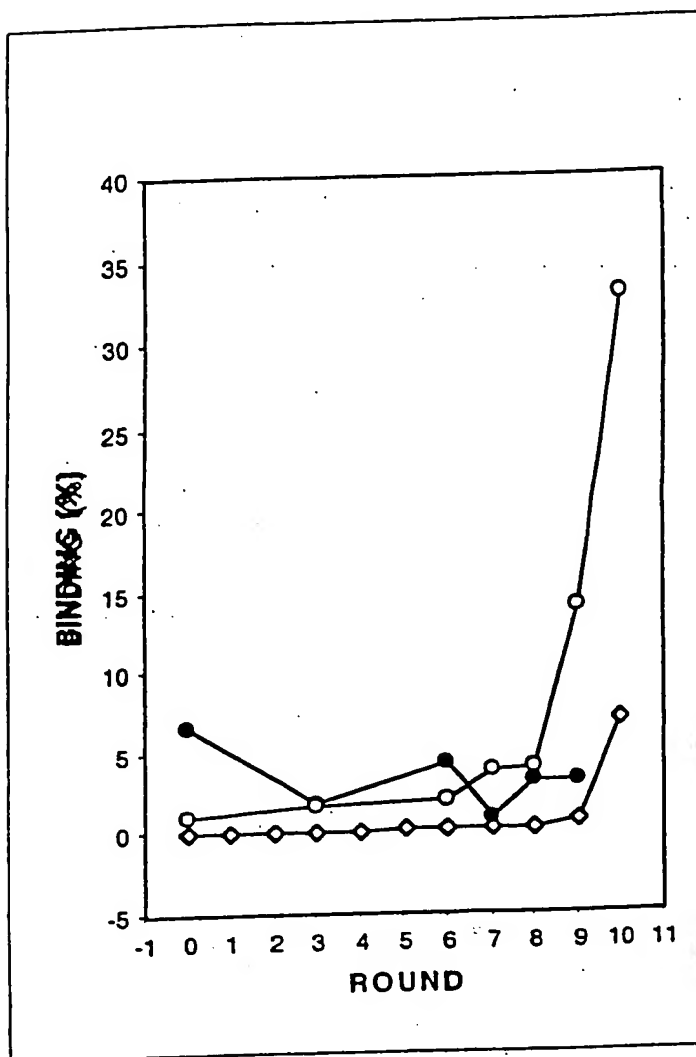


FIGURE 13

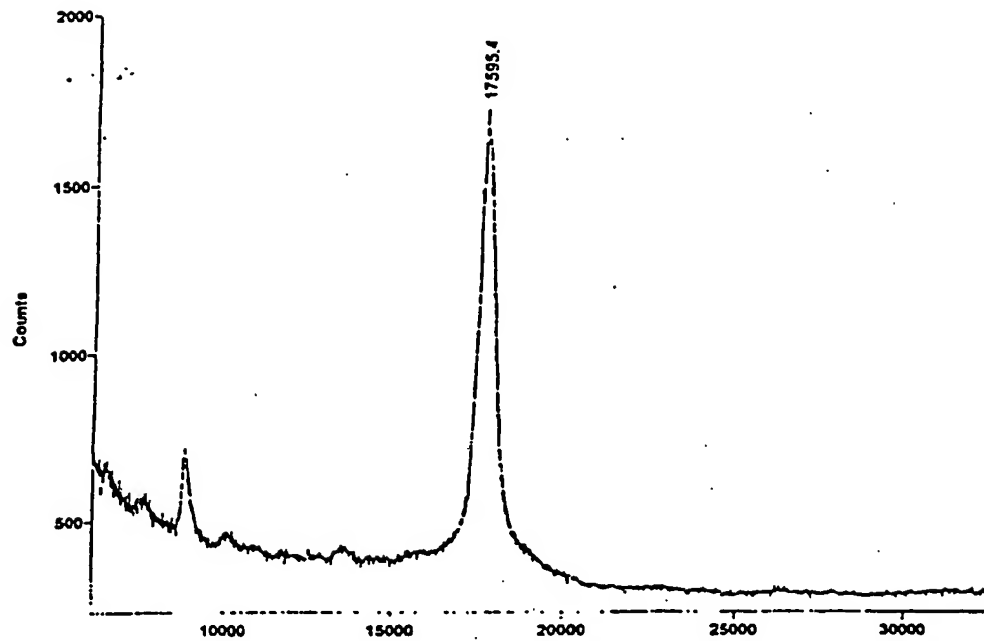


FIGURE 14

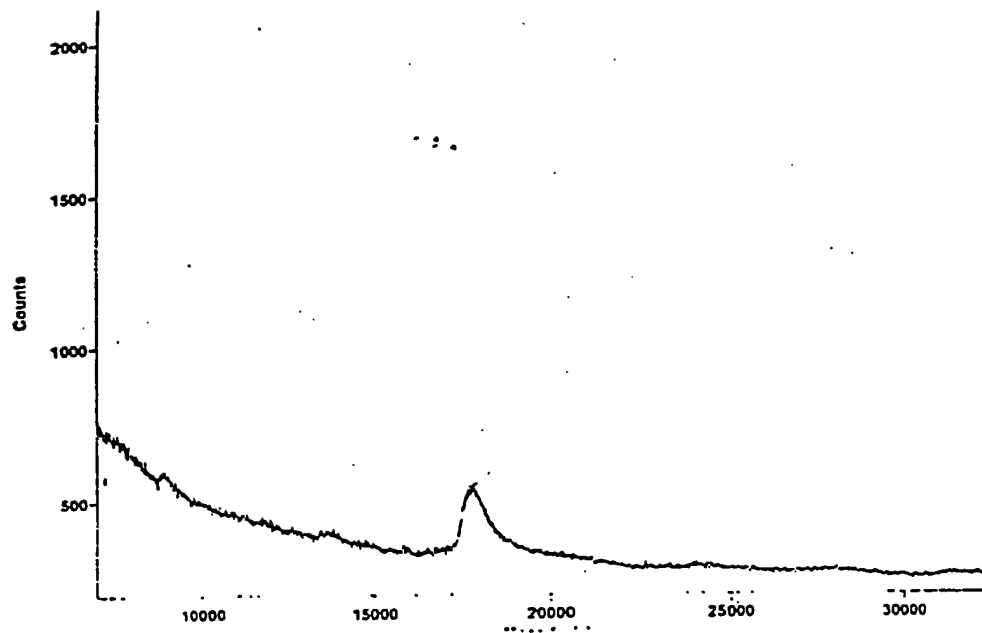


FIGURE 15

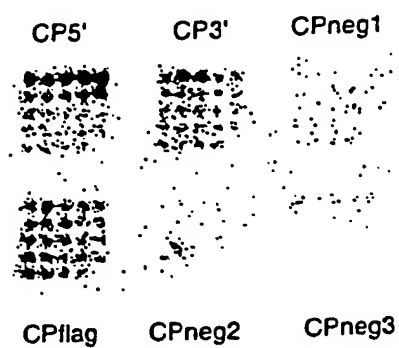


FIGURE 16

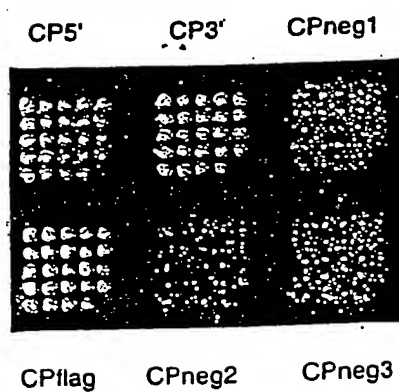


FIGURE 17

FIGURE 18

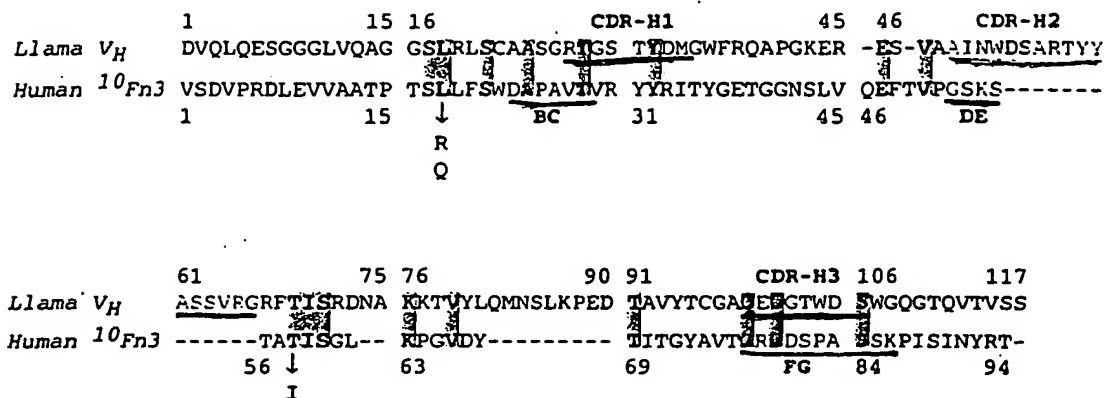
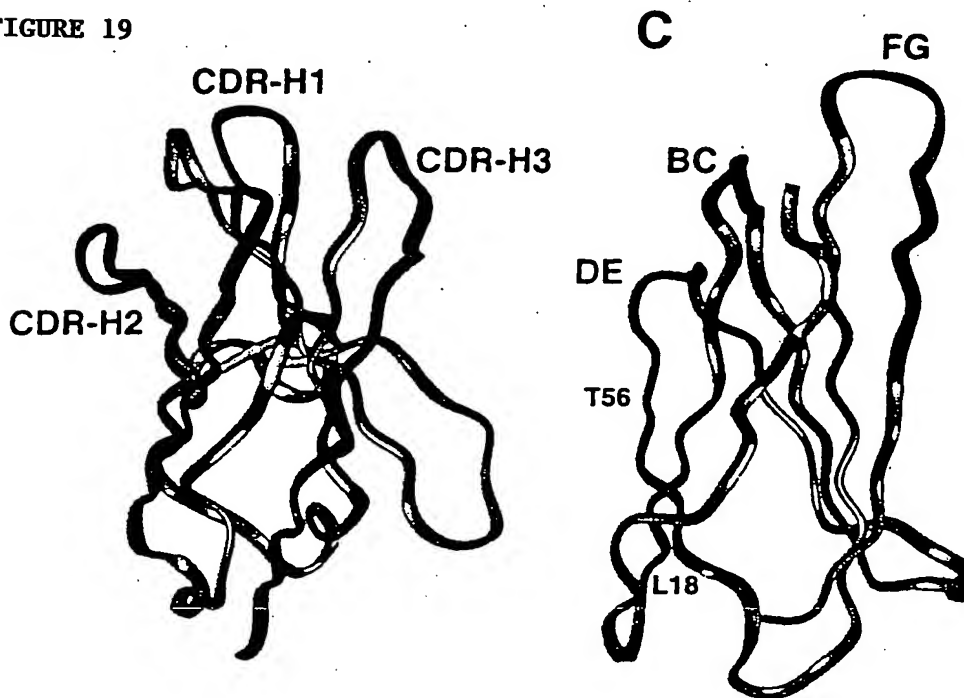


FIGURE 19



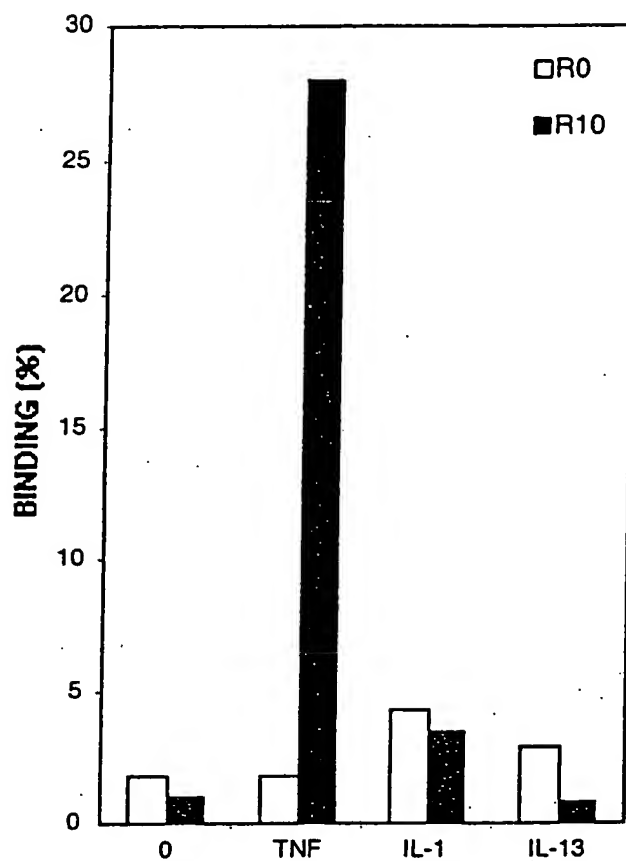


FIGURE 20

IgG-like Scaffolds for the Display of Three Loops

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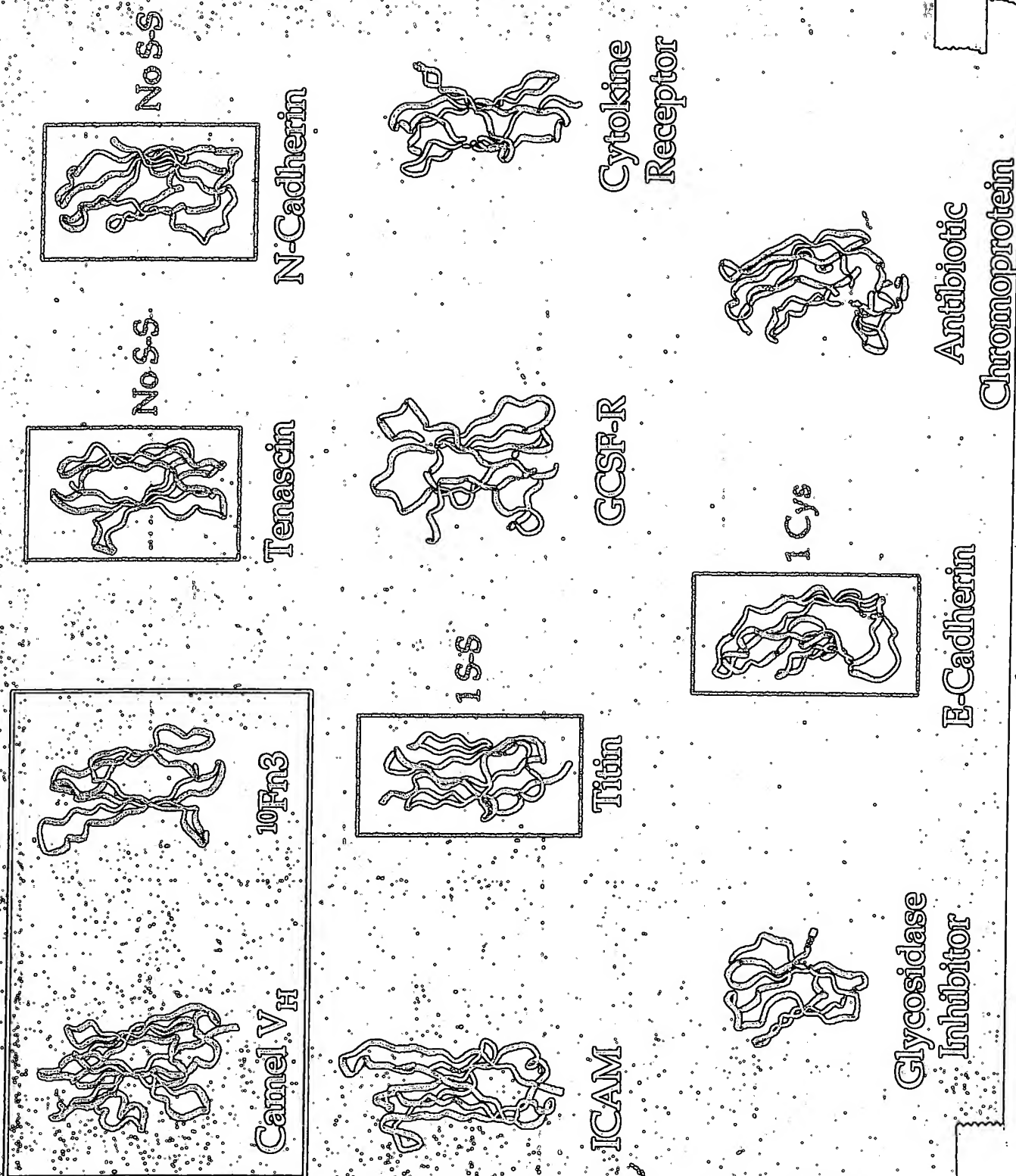
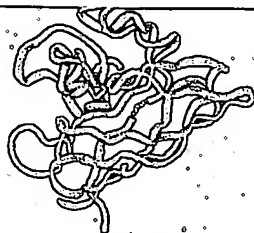
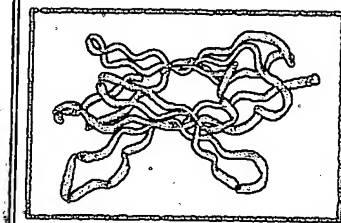
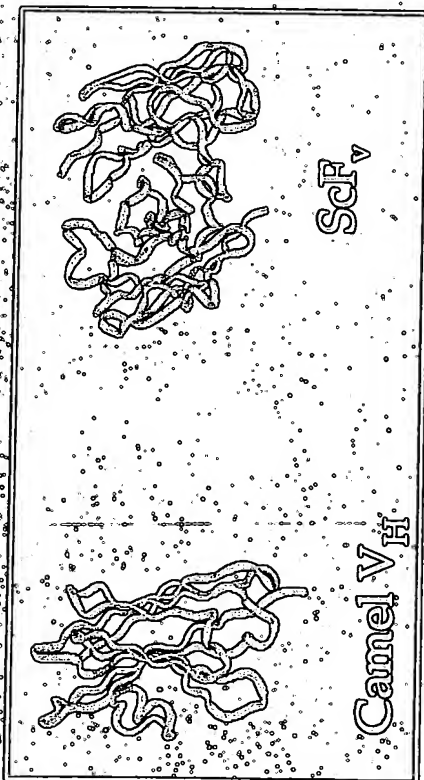


Figure 21

IgG-like Scaffolds for the Display of Four or Six Loops

4 Loops



1 S-S

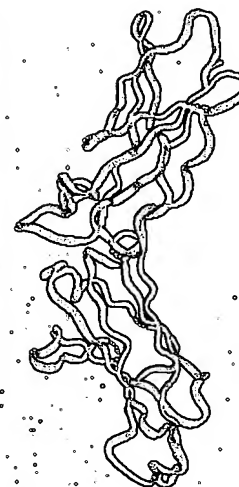
Superoxide Dismutase

T-cell Receptor

No S-S

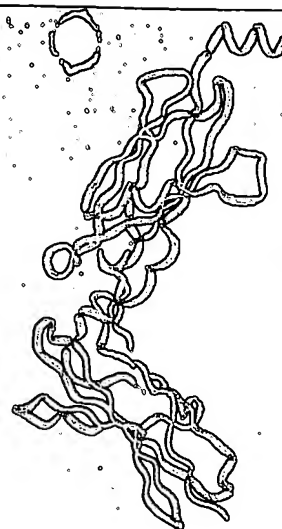


9Fn3-10Fn3



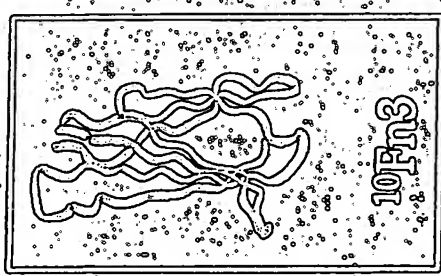
Tissue Factor

Cytokine Receptor

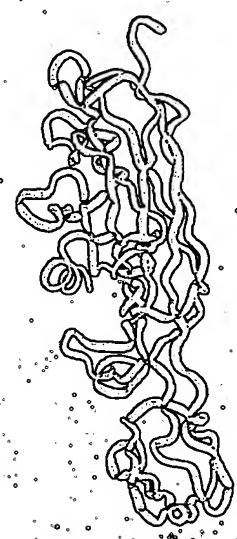


6 Loops

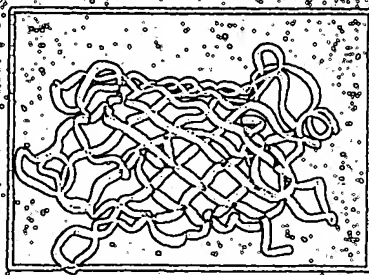
Scaffolds Unrelated to IgG



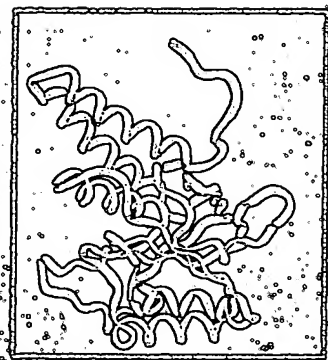
10Fn3



Cytochrome P



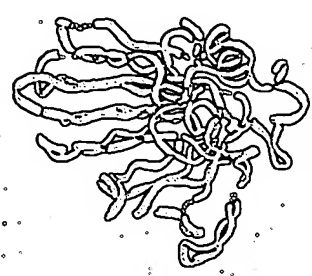
NoSS



NoSS

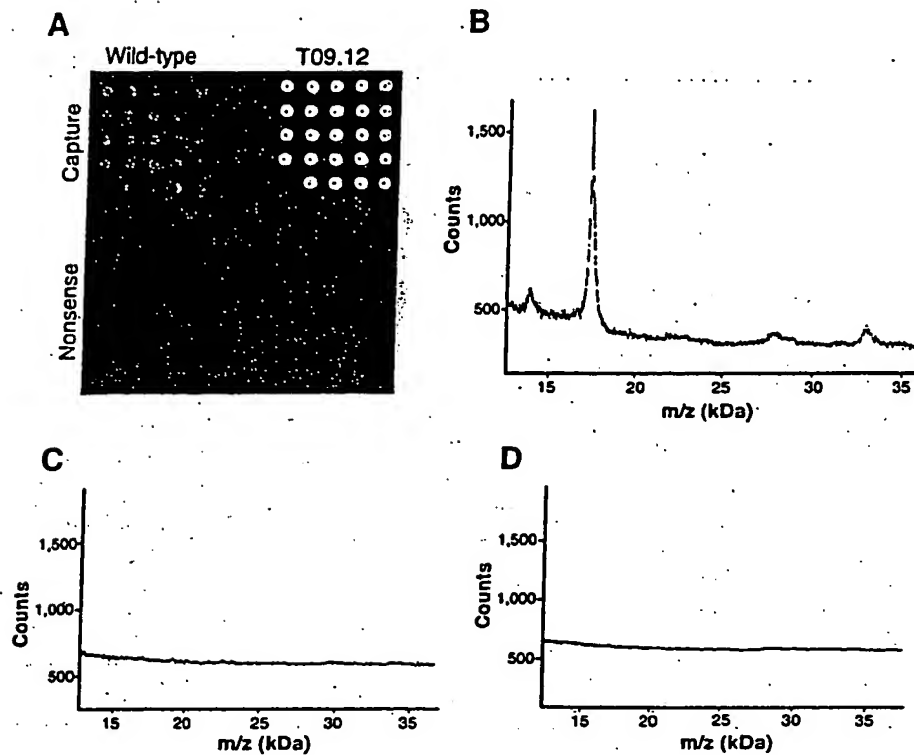
Green Fluorescent Protein

GroEL



Thaumatin

Figure 23



FIGURES 24A - 24D

ROUND 9 (32)

		BC		DE		FG		Seq
		15	16	45	46	60	61	
WT		VSDVPRDLEVVAATP	TSLLSISWDAPAVTVR	YRITYGETGNSPV	QEFVPGSKSTATIS	GLKPGVDY-TITVYA	74 75GRGDSPASSK	90
T09.08		VSEIPRDLEVVAATP	TSLLSFSDAPAVTVR	YRITYGETGNSLV	QEFVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIS	INVRT
T09.26		VSDVPRDLEVVAATP	TSLLSISWDAPAVTVR	YRITYGETGNSLV	QEFVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSKPIS	INVRT
T09.20		VSDVPRDLEVVAATP	TGLLISWNKSRMTTR	YRITYGETGNSPV	QEFVPELNPSTATIS	RLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	H
T09.25		VSDVPRDLVVAATP	TSLLSISWDS---	SHR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF
T09.30		VSDVPRDLEVVAATP	TSLLSISWHNNHIDMR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.02		VSDVPRDLEVVAATP	TSLLSISWRTSPASPHG	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.34		VSDVPRDLEVVAATP	TSLLSISWRTSPASPHG	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.03*		VSDVPRDLEVVAATP	TSLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.13		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.29		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.01		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.14		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.24		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.19		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.31		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.07		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.36		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.16		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.23		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.21		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.33*		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.10		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.28		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.15		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.09		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.35		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.06		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.11		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.12*		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.17		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.04		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT
T09.05		VSDVPRDLEVVAATP	TCLLSISWRPNRSLR	YRITYGETGNSPV	QEFVPELNPSTATIS	GLKPGVDY-TITVYA	VTQNGTPRRHLRPNF	INVRT

FIGURE 25 (Page 1)

ROUND 10 (29)

BC			DE			FG		
WT	15	16	DAPAVTV3031	45	46	GSKS	60	61
T10.37	VSDVPRDLEVVAAATP	TSLLSWDPAPVTVR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.12	VSDVPRDLEVVAAATP	TSLLRERE-----RR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.21	VSDVPRDLEVVAAATP	TSLLSRKDRVSSRR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.40	VSDVPRDLEVVAAATP	TSLLSWMAHPNTR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.31a	VSDVPRDLEVVAAATP	TSLLSWYLCTGNNR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.41	VSDVPRDLEVVAAATP	TSLLSWRTSPASPHG	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.13	VSDVPRDLEVVAAATP	TSLLSWMAHPNTR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.03	VSDVPRDLEVVAAATP	TSLLSWYFPDNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.33	VSDVPRDLEVVAAATP	TSLLSWMLLRDRR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.27	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.05	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.01	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.34	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.36	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.30	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.06	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.17	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.18	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.39	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.02	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.08	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.20	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.29	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.15	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.15	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.35	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.26	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
T10.14	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
S08.02	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT
S08.03	VSDVPRDLEVVAAATP	TSLLSWSPNDAPR	YRITYGETGNSPV	QFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	90	INVRT

FIGURE 25 (Page 2)

ROUND 14 (22)

BC

DE

FG

1	15	16	DAPAVTV3031	45	46	GSKS	60	61	75	76GRGDSPASSK	90	
WT	VSDVPRDLEVVAATP	TSLLISWDAPAVTVR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	VTGRGDSPASSK	PIS	INVRT				33
T14.25	VSDVPRDLEVVAATP	TSLLISWDTHNAYNG	YRITYGETXGNSPV	REFTVPHPEVTATIS	GLKPGVDD-TITVYA	VTNHHMPLRIFGPIS		INVRT				96
T14.03	VSDVPRDLEVVAATP	TSLLIXWTRTNANTR	YRITYGETGNSPV	QEFTAPNPPATIG	GLKPGVDY-TITVYA	VTGDSRRLTKPIS		INVRT				47
T10.06	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				81
T14.12	LSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.13	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.17	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.05	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.14	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.23	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.26	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.24	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.20	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.19	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.11	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.10	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.22	VSDVPRDLEVVAATP	SSRLISWRPGRITYSR	YRITYGETGNSPV	QEFTVPWANTATIS	GLKPGVDY-TITVYA	VTGPGYPLTEMPIS		INVRT				99
T14.21	VSDVPRDLEVVAATP	SSRLISWRPGRITYSR	YRITYGETGNSPV	QEFTVPWANTATIS	GLKPGVDY-TITVYA	VTGPGYPLTEMPIS		INVRT				99
T14.01	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.06	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.08	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.02	VSDVPRDLEVVAATP	TSRLISWNRSGLQSR	YRITYGETGNSPV	QEFTVPWASIATIS	GLKPGVDY-TITVYA	VTDKSDTYKYDDPIS		INVRT				99
T14.15	VSDVPRDLEVVAATP	TGLLISWNRTPASPHG	YRITYGETGNSPV	EEFTVPLLPWTATIS	GLKPGVDY-TITVYA	VTGPGYPLTEMPIS		INVRT				99

FIGURE 25 (Page 3)

ROUND M12 (24)

		BC		DE		FG			
WT		15	16	15	16	45	46	60	61
1	VSDVPRDLEVAATP	TSLLISWDAPAVTVR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.05	VSDVPRDLEVAATP	TSLLISWDAPAVTVR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.17	VSDVPSDLEVAATP	TSLLISWEQSPDXGR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.12	VSDVPSDLEVAATP	TSLLISWEQSPDXGR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.17	VSDVPSDLEVAATP	TSLLISWEQSPDXGR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.06	VPDVPDLEVAATP	TSLLISWDTHNAYNG	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.01	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.01	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.24	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.25	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.23	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.04	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.03	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.07	VXDVPDLEVAATP	ISQLTSWQPPQNGSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.13	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.09	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.16	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.22	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.26	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.15	VTDVPRGLKIVAATP	-SLLISWRPPADLNR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.18	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.14	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.21	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.19	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT
M12.08	VSDVPRDLEVAATP	TSRLISWNRSGLOSR	YRITYGETGNSPV	QEFTVPGSKSTATIS	GLKPGVDY-TITVYA	75	76GRGDSPASSK	90	INVRT

FIGURE 25 (Page 4)